In the Claims:

Please amend the claims as follows:

1-22 (cancelled)

23. (currently amended) A sensor arrangement remotely readable by a separate reader utilizing radio frequencies for determining desired quantities from sources, the arrangement comprising:

an LC resonator ~~which comprises~~ comprising a capacitor and a coil, ~~and~~

an electrically conductive ring,

a sensor element coupled to the LC resonator, whose properties change as a function of a measurable quantity, the sensor element being coupled ~~capacitively or~~ inductively with the LC resonator without forming a direct galvanic contact, wherein the sensor element is arranged inside the electrically conductive ring and is thinner than the electrically conductive ring, and

a package containing foodstuffs or medicinal substances, wherein the sensor element is arranged inside the package and the coil is arranged outside the package,

wherein ~~the capacitor or~~ the coil is configured to generate ~~an electric field or~~ a magnetic field on a location of the sensor element, and wherein the sensor element directly affects ~~the electric field or~~ the magnetic field generated by ~~the capacitor or~~ the coil.

24. (previously presented) The sensor arrangement according to claim 23, wherein the sensor element is cumulatively variable.

25. (previously presented) The sensor arrangement according to claim 23, wherein the sensor arrangement is suitable for use in monitoring deterioration of foodstuffs and medicinal substances.

26-32 (cancelled)

33. (currently amended) The sensor arrangement according to claim ~~32~~ 23, wherein the ring is circular, oval or polygonal in shape.

34-43 (cancelled)

44. (new) An apparatus for indicating a deterioration event, said apparatus comprising:

a sensor element capable of reacting with a compound generated by the deterioration event, or capable of reacting with oxygen,

an LC resonator comprising a capacitor and a coil, wherein said coil is arranged to induce eddy currents in said sensor element by an alternating magnetic field generated by said coil, said eddy currents induce a voltage in said coil such that said voltage is dependent on electrical conductivity and thickness of said sensor element, and

an electrically conductive ring having a thickness greater that the sensor element, wherein said sensor element is disposed inside the electrically conductive ring.

45. (new) The apparatus according to claim 44, wherein said sensor element is sensitive

to hydrogen sulphide.

46. (new) The apparatus according to claim 44, wherein a frequency of an alternating current coupled to said coil is variable in order to determine a resonance frequency of said coil.

47. (new) The apparatus according to claim 44, further comprising:

a package, wherein said sensor element is located inside the package, and said coil is located outside the package.

48. (new) The apparatus according to claim 47, wherein a perishable product selected from a group consisting of foodstuff and a medicinal substance is arranged inside the package.

49. (new) The apparatus according to claim 44, wherein said sensor comprises a metal selected from a group consisting of silver and copper.

50. (new) The apparatus according to claim 44, wherein said ring comprises aluminum.

51. (new) A method for indicating a deterioration event by using a sensor element and an LC resonator, said LC resonator comprising a capacitor and coil, said method comprising:

arranging the sensor element inside a package containing a perishable product, said sensor element being capable of reacting with a compound generated by deterioration of said perishable product, or capable of reacting with oxygen,

generating an alternating magnetic field by said coil,

inducing eddy currents in said sensor element by said alternating magnetic, and

inducing a voltage in said coil by said eddy currents,

wherein said voltage depends on an electrical conductivity and a thickness of said sensor element, and wherein said sensor element is arranged inside an electrically conductive ring that is thicker than said sensor element.

52. (new) The method according to claim 51, wherein said sensor element is sensitive to hydrogen sulphide.

53. (new) The method according to claim 51, further comprising

changing a frequency of an alternating current coupled to said coil in order to determine a resonance frequency of said coil.

54. (new) The method according to claim 53, further comprising:

determining a distance between said sensor element and said coil based on the resonance frequency of said coil.

55. (new) The method according to claim 51, wherein said coil is located outside the package.

56. (new) The method according to claim 55, wherein said perishable product is selected from a group consisting of foodstuff and a medicinal substance.

57. (new) The method according to claim 51, wherein said sensor comprises a metal selected from a group consisting of silver and copper.

58. (new) The method according to claim 51, wherein said ring comprises aluminum.

59. (new) A package, comprising:

a sensor element arranged inside the package alone without an LC resonator, wherein said sensor element is capable of reacting with a compound such that electrical conductivity or thickness of said sensor element is changed, and wherein said sensor element is arranged inside an electrically conductive ring that is thicker than said sensor element.

60. (new) The package according to claim 61, wherein said sensor element is sensitive to hydrogen sulphide.

61. (new) The package according to claim 61, wherein a perishable product selected from a group consisting of foodstuff and a medicinal substance is arranged within the package.